FIG. 1

UNSOLICITED E-MAIL DETECTION SYSTEM

40

INCOMING E-MAIL

42

MESSAGE MODIFIER

44

CHECKSUM GENERATOR

46

DATABASE

48

DETECTOR

TO MAIL RECIPIENT

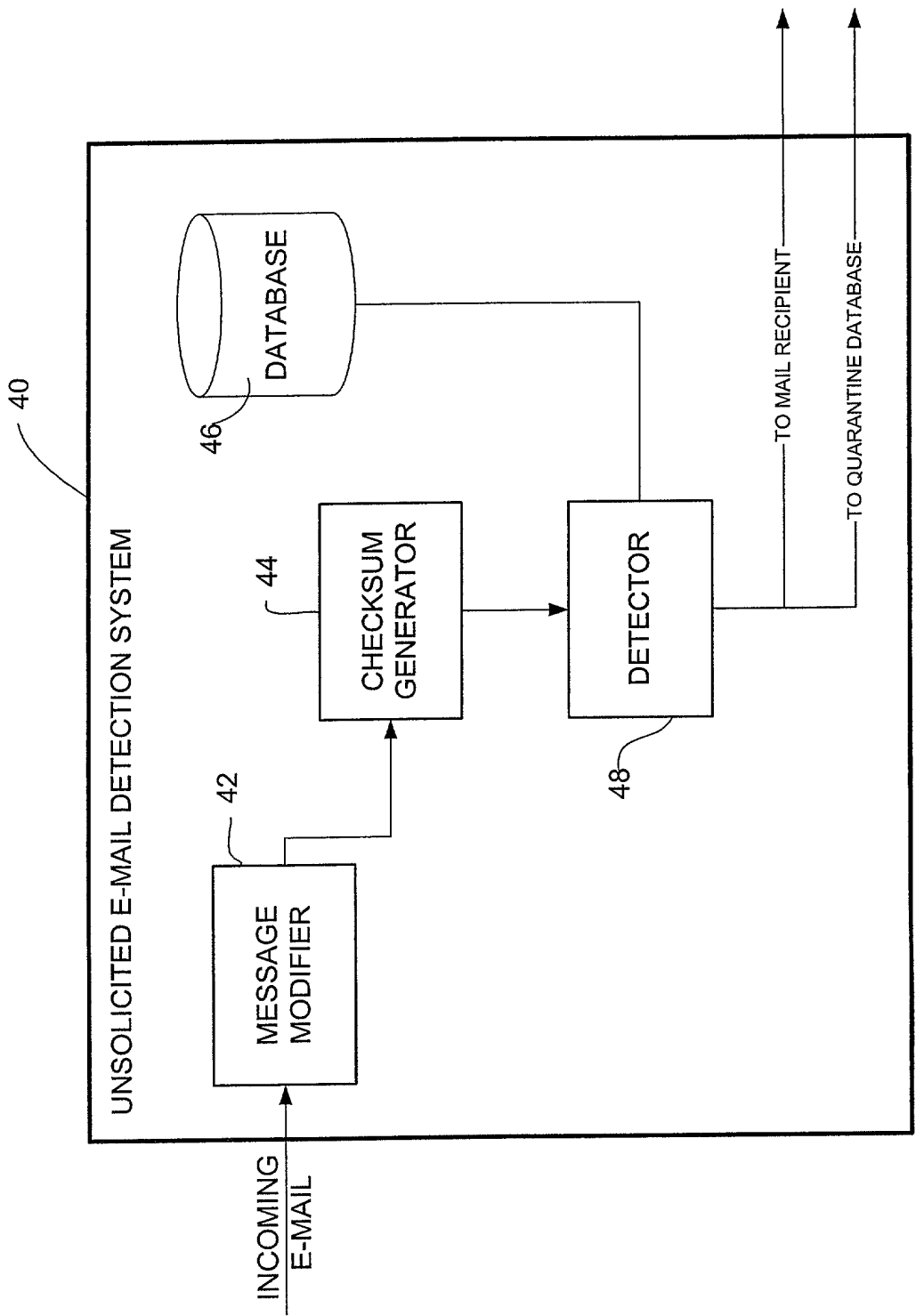TO QUARANTINE DATABASE

FIG. 2

```
From: "luke@eu.nai.com" <luke@eu.nai com>
To: <a@b.com>
Subject:
Date: Wed, 16 Feb 2000 09:08:34 -0000
MIME-Version: 1.0
Content-Type: multipart/mixed;
        boundary="----=_NextPart_000_0031_01BF785D.67153D00"

This is a multi-part message in MIME format.

------=_NextPart_000_0031_01BF785D.67153D00
Content-Type: text/plain;
Content-Transfer-Encoding:

This email will self-destruct in 20 seconds unless you forward it !!!

QUICK!... Forward it!

------=_NextPart_000_0031_01BF785D.67153D00
Content-Type: application/x-zip-compressed;
        name="boom.zip"
Content-Transfer-Encoding: base64
Content-Disposition: attachment;
        filename="boom.zip"

UEsDBAoAAgAAACU8Zh4jS4psRgAAAEYAAAAJAAAARWljYXIuY29tWDVPIVA1QEFQWzRcUFpYNTQo
UF4pN0NDKTd9JEVJQ0FSLVNUQU5EQVJELUFOVE1WSVJVUy1URVNULUZJTEUhJEgrSCoNClBLAQIy
CwoAAgAAACU8Zh4jS4psRgAAAEYAAAAJAAAAAAAAAAEAIAD/gQAAABFaWNhci5jb21QSwUGAAAA
AAEAAQA3AAAAbQAAAAA

------=_NextPart_000_0031_01BF785D.67153D00-
```

FIG. 3

This email will self-destruct in 20 seconds unless you forward it !!!

QUICK!... Forward it!

FIG. 4

```
From: "luke@eu.nai.com" <luke@eu.nai.com>
To: <a@b.com>
Subject:
Date: Wed, 16 Feb 2000 09:08:34 -0000
MIME-Version: 1.0
Content-Type: text/plain

This email will self-destruct in 20 seconds unless you forward it !!!

QUICK!... Forward it!
```

FIG. 5

```
This email will self-destruct in 20 seconds unless you forward it !!!

QUICK!... Forward it!
```
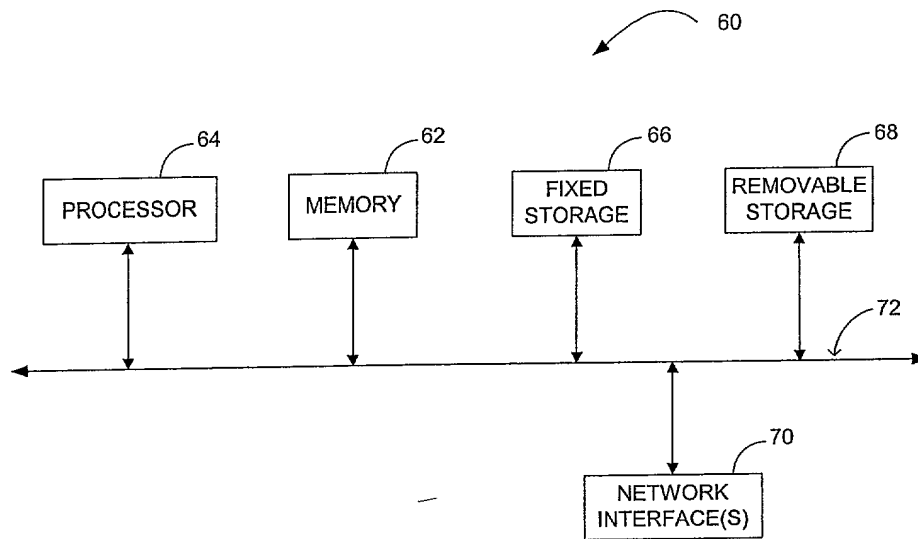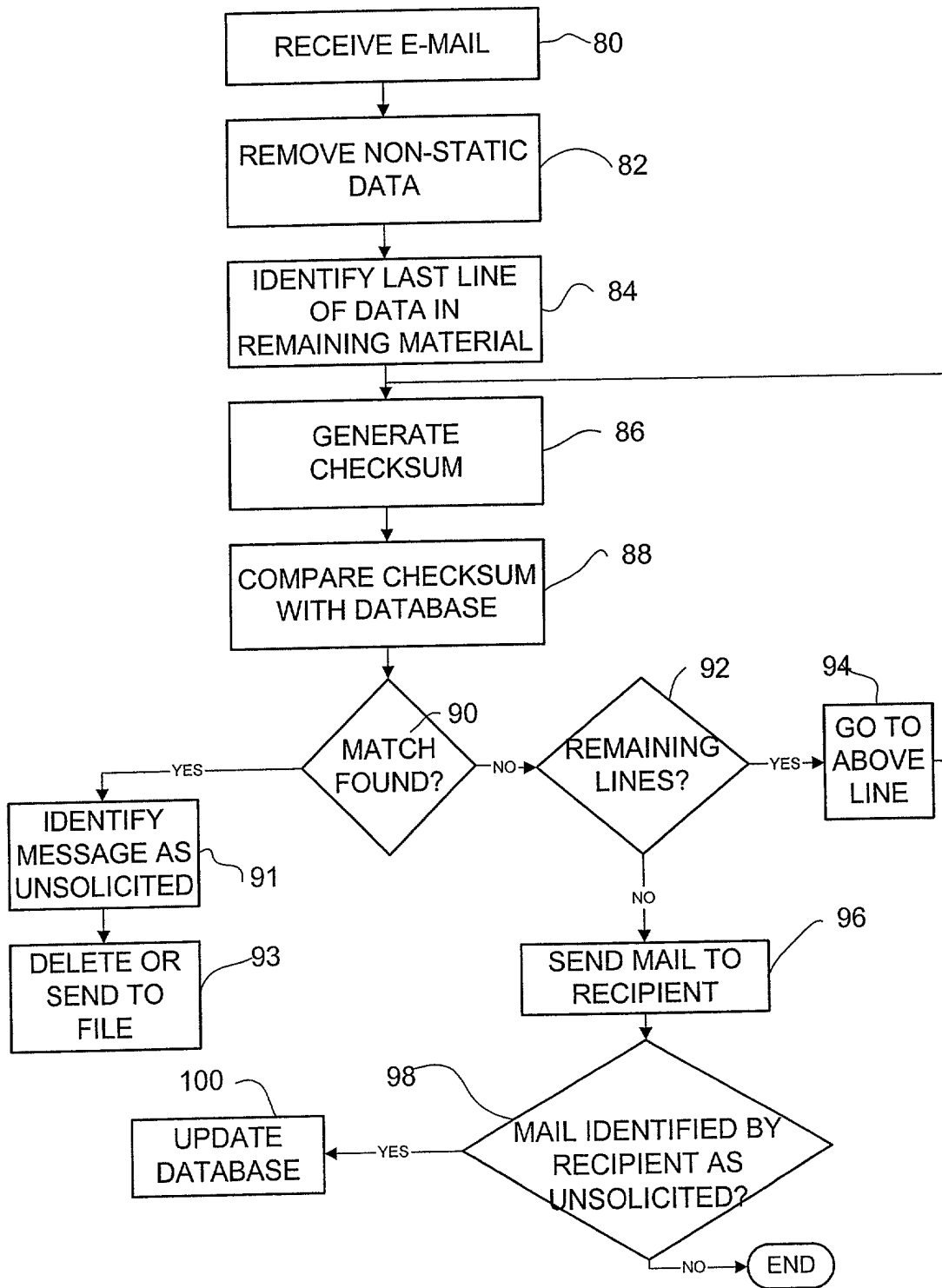
FIG. 6

60

PROCESSOR
64

MEMORY
62

FIXED
STORAGE
66

REMOVABLE
STORAGE
68

72

NETWORK
INTERFACE(S)
70

FIG. 7

RECEIVE E-MAIL — 80

REMOVE NON-STATIC DATA — 82

IDENTIFY LAST LINE OF DATA IN REMAINING MATERIAL — 84

GENERATE CHECKSUM — 86

COMPARE CHECKSUM WITH DATABASE — 88

MATCH FOUND? — 90

REMAINING LINES? — 92

GO TO ABOVE LINE — 94

YES

NO

YES

NO

IDENTIFY MESSAGE AS UNSOLICITED — 91

DELETE OR SEND TO FILE — 93

SEND MAIL TO RECIPIENT — 96

UPDATE DATABASE — 100

MAIL IDENTIFIED BY RECIPIENT AS UNSOLICITED? — 98

YES

NO

END

FIG. 8